

What is claimed is:

1. A case comprising:

an outer cylindrical member;

an inner cylindrical member fitted in said outer cylindrical  
5 member;

at least one engaging opening provided in one of said inner and  
outer cylindrical members;

a deformable band provided in the other of said inner and outer  
cylindrical members for inserting into said engaging opening; and

10 a poisoning mechanism provided between said inner and outer  
cylindrical members to face said deformable band to said engaging  
opening.

2. The case according to claim 1, wherein said positioning  
mechanism has a stopper provided on one of said inner and outer  
15 cylindrical members to contact with the other of the inner and outer  
cylindrical members and a protrusion provided on the other of said  
inner and outer cylindrical members to contact with said stopper.

3. An electric motor comprising:

a yoke in which permanent magnets are held,

20 said yoke including a cylindrical yoke body having a bottom and  
an auxiliary yoke in which said yoke body is fitted;

at least one engaging opening provided in one of said yoke body  
and auxiliary yoke; and

a deformable band provided in the other of said yoke body and  
25 auxiliary yoke,

wherein said deformable band is fitted in said engaging opening  
in a state that said yoke body and auxiliary yoke are fitted.

4. The electrical motor according to claim 3, wherein it further comprises a positioning mechanism provided between said yoke body and auxiliary yoke to face the deformable band to the engaging opening.

5. The electric motor according to claim 4, wherein said positioning  
5 mechanism includes a stopper provided on the auxiliary yoke to contact with a portion of the yoke body and a protrusion provided on the yoke body to contact with said stopper.

6. The electric motor according to claim 1, wherein said deformable  
band includes a plurality of inclined surfaces which are contacted with  
10 edges of said engaging opening to impart a pressed force axially and peripherally of the inner or outer cylindrical member.

7. The electric motor according to claim 3, wherein said deformable  
band includes a plurality of inclined surfaces which are contacted with  
edges of said engaging opening to impart a pressed force thereto axially  
15 and peripherally of the yoke body or auxiliary yoke.

8. The case according to claim 2, wherein said deformable band includes inclined surfaces which are contacted with the edges of the engaging opening to impart a pressed force thereto so as to contact the stopper with the other of the inner and outer cylindrical members.

20 9. The electric motor according to claim 5, wherein said deformable band includes inclined surfaces which are contacted with the edges of the engaging opening to impart thereto a pressed force so as to contact the stopper with the yoke body.

10. A method for producing an electric motor, comprising the steps of:  
25 fitting a cylindrical yoke body into a cylindrical auxiliary yoke;  
rotating said auxiliary yoke relative to said yoke body;  
facing a deformable band provided on one of said auxiliary yoke

and yoke body to an engaging opening provided on the other of said auxiliary yoke and yoke body by abutting a stopper provided on one of said auxiliary yoke and yoke body with a protrusion provided on the other of the auxiliary yoke and yoke body; and

5            inserting said deformable band into said engaging opening.

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